

ABSTRACT OF THE DISCLOSURE

The present invention provides a method and apparatus for determining runtime size and type information in dynamically typed languages. In one embodiment of the present invention, a dynamic size and type system is added to a programming language. In one embodiment, an operator which returns a size associated with an object is dynamically executed at runtime. In another embodiment, if the object is an instance of a class, then the class may provide an instance of its own size operator to perform the calculation. In another embodiment, an operator which returns a type associated with an object is dynamically executed at runtime. In one embodiment, if the object is an instance of a class, then the class may provide an instance of its own type operator to perform the calculation.